

Best Manufacturing Practices Red Team Support

Status: Technical Success (Ongoing)

PROBLEM / OBJECTIVE

The Best Manufacturing Practices Center of Excellence (BMPCOE) Red Team Support Model grew out of the need by Program Managers (PMs) for expert assistance in assessing the development and production capabilities of their contractors. The typical government program office does not normally have the common manufacturing attributes or inherent knowledge of production processes, “best practices” from the factory floor, or sound systems engineering practices. To fill this void BMPCOE, through its wide experience and in-depth knowledge of manufacturing processes, solid understanding of the DoD Acquisition System, and a proven Systems Engineering Model, has provided a valuable tool for PMs – the Red Team Support Model. This tool, built around the Program Manager’s WorkStation (PMWS), assists PMs in assessing risk to their programs throughout the life cycle – from Concept Refinement through Operations and Support.

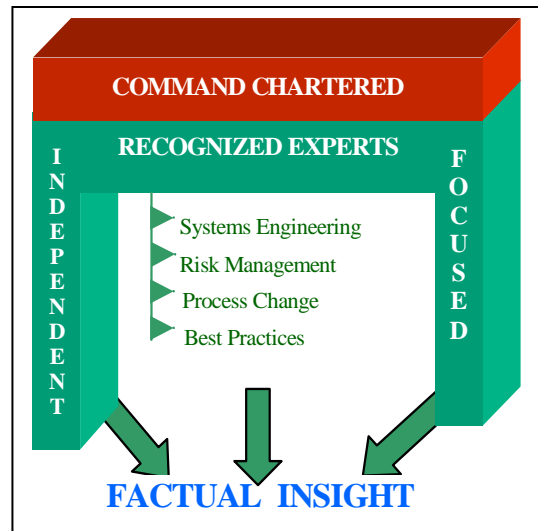
ACCOMPLISHMENTS / PAYOFF

Process Improvement:

The DoD acquisition processes designed to prepare a Program to enter successive phases of the acquisition cycle have been significantly strengthened through the use of BMPCOE’s Red Team Support Model. Red Team support for Navy, Marine Corps, and Joint Programs has provided factual insight to assist PMs in making informed decisions. This Model is based on a Command-chartered assessment by an independent agency of recognized experts focused on risk reduction. BMPCOE’s Red Team has provided independent assessments for numerous programs, improving the development and production processes of each, thus providing more reliable systems, subsystems and equipment for the Warfighter.

Implementation and Technology Transfer:

BMPCOE Red Team Assessments have successfully identified the production readiness risks for the Joint Lightweight 155 Howitzer (LW155) Program, and have provided mitigation strategies for improving system development, test and evaluation, schedule, reliability, and availability. Red Team Assessments have provided similar risk assessments to other PMs to assist them in identifying and mitigating obstacles to successful production. Better, more reliable systems for the Warfighter are realized through the use of BMPCOE’s Red Team Support Model.



The Red Team Support Model Helps Ensure Quality Equipment for the Warfighter

Expected Benefits:

- Factual insight to help the PM make better decisions
- Schedule and cost savings through risk reduction to developmental and manufacturing processes
- Quality systems in the hands of the Warfighter

TIME LINE / MILESTONE

Start Date: February 2001

End Date: Ongoing

FUNDING

Total ManTech Investment: \$2M (Shared among BMP’s three core competencies: Surveys, Systems Engineering, and Web Technologies)

Cost Share: \$1.64M (Total from Participating PMs)

PARTICIPANTS

- BMPCOE
- Program Managers for the :

Predator (SRAW)	UOC	Dragon Eye
CLAWS	LW155	TAD
EFV(AAAV)	DJC2	AIEWS
HELRASR	G/ATOR	JTRS
DMR		

Navy ManTech Program

BMPCOE Red Team Support JUL05